

TABLE 1  
BAY-DELTA MARINE SAND DREDGING SURFACE MINING AND RECLAMATION PLANS LEASE AND PERMIT REQUIREMENTS

RECLAMATION PLAN		STATE LANDS COMMISSION or PRIVATE LEASE						U.S. ARMY CORPS OF ENGINEERS PERMIT					BAY CONSERVATION & DEVELOPMENT COMMISSION PERMIT							REGIONAL WATER QUALITY CONTROL BOARD - ORDER # 95-177 (Ammended by 00-048)		
MINE NAME	OPERATOR	Lease #	Lease Surface Area (acres)	Limit/year (cubic yards)	Lease Expiration	Insurance - \$1 million	Replenishment monitoring required	Permit #	Permit Expiration	Limit/year (cubic yards)	Evaluate Replenishment impacts	Depth Restriction	Permit #	Permit Expiration	Limit/year (cubic yards)	Annual Report	Replenishment monitoring required	Depth Restriction	Holiday/ DFG fishing restriction	Expiration	Self Monitoring	Depth Restriction
Central Bay																						
Alcatraz, Presidio, Pt. Knox	Hanson	709.1	877.4	540,000	07/01/08	x	x	24305S	07/01/07	600,000	per BCDC	200 shoreline 250 4' MLLW	4-77	10/24/05	600,000	x	per AHFP Study	100' Alcatraz 30' MLLW	x	none	x	
Alcatraz South Shoal	Hanson	7780.1	262.1	150,000	07/01/08	x	x	23573S	03/17/07	150,000			M98-19	06/03/06	150,000		per AHFP Study	30' MLLW	x	none	x	
Point Knox South	Hanson	2036.1	230.9	unlimited	07/01/08	x	x	24441N	10/01/07	300,000	per AHFP Study	200 shoreline 250 4' MLLW	5-80	04/02/06	300,000	x	per AHFP Study	30' MLLW	both	annual	x	
Point Knox Shoal	Hanson	7779.1	1294.2	400,000	07/01/08	x	x	24997N	11/30/06	400,000	per BCDC	30 MLLW	12-94	03/16/05	400,000	x	x		both	annual	x	
Alcatraz Sand Shoal	RMC	5871.1	263.5	100,000	07/01/08	x	x	25669S	expired	50,000			95-13	01/27/05	50,000	x	x		both	annual	x	
Carquinez Strait																						
Carquinez Straits	RMC	5733.1	4.5	50,000	07/01/08	x	x	25669S	expired	50,000			95-14	01/27/05	50,000	x	x		both	annual	x	
Suisun Bay																						
Hanson Suisun Bay Middle Ground Shoal	Hanson	Grossi-TLS39 Non-Exclusive (Private)	335.1	Jones 300,000	month to month			24996N	11/01/07	300,000	per AHFP Study	200 shoreline 250 4' MLLW	10-90	08/22/05	500,000	x	x	200 shoreline 250 4' MLLW	both	annual	x	200 shoreline 250 4' MLLW
		Grossi-TLS39 Non-Exclusive (Private)	335.1	Tidewater 500,000	01/01/24			25653N	11/01/07	150,000	per AHFP Study	200 shoreline 250 4' MLLW										
Jerico Suisun Bay Middle Ground Shoal	Jerico	Grossi-TLS39 Non-Exclusive (Private)	335.1	250,000	09/27/05			24913N	05/28/09	250,000	per BCDC		16-78	09/01/06	250,000	x	per AHFP Study	250 shoreline 200 4' MLLW	DFG Fishing Restriction	annual	x	200 shoreline 250 4' MLLW
RMC Suisun Bay Middle Ground Shoal	RMC	Grossi-TLS39 Non-Exclusive (Private)	335.1	300,000	04/01/06			25669S	expired	250,000			1-95	09/30/06	250,000	x	x	200 shoreline 250 4' MLLW		annual	x	200 shoreline 250 4' MLLW
Suisun Bay Carquinez West & East	Suisun Associates	7781.1	935.7	100,000	07/01/08	x	x	25041N	08/09/07	100,000		200 shoreline 250 4' MLLW	M99-7	expired	100,000	x	x		both	annual	x	

**Explanation:**  
Hanson Suisun Middle Ground Shoal:

Duplicative (private) leases for the Suisun Bay site actually have been issued to Hanson from the owner, Grossi. Hanson recently took over both the Jones and Tidewater leases from two independent operators. A single BCDC permit has been issued (#1090) for both leases but separate ACOE and RWQCB permits are still in effect. The permits control the operational restrictions in force.

Limit/year:

Production per annum is capped by each of the leases from SLC or Grossi, and independently by the USACOE and BCDC. The more restrictive allowed volume is the production limit observed in the operation.

Evaluation of replenishment/Replenishment monitoring required:

Various monitoring schemes have been required to monitor the replenishment of bottom substrate after dredging. None have detected any long term changes given the significant background temporal and seasonal fluctuations. These monitoring criteria are currently being refined and are imposed by the permitting agencies on each operation.

Insurance:

SLC requires a one million dollar liability insurance mechanism for all dredging operations. It is estimated the amount of insurance would cover the cost of removing a sunken dredge or similar accident.

Depth Restriction:

Most BCDC, ACOE and RWQCB permits and orders protect shoals and shoreline by restricting operating depths relative to Mean Lower Low Water Level, a measurable datum.

Annual Report:

Most permits and leases require recording dredge and barge operations in time and space. A quarterly or annual report summarizing the information must be provided to the permitting agency.

Holiday/DFG fishing restriction:

The BCDC requires most operations to observe DFG recommendations on avoiding fishing grounds, which may change seasonally and by location. There may also be a prohibition on working on weekends when recreational use is higher.

Self Monitoring:

The RWQCB requires10:1 dilution of plume waters to achieve water quality goals. A self monitoring program is described in Order No 95-177.

